

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 November 2005 (10.11.2005)

PCT

(10) International Publication Number
WO 2005/104824 A1

(51) International Patent Classification⁷: A01J 5/007, 5/04

(21) International Application Number:

PCT/SE2005/000546

(22) International Filing Date: 15 April 2005 (15.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0401142-5 3 May 2004 (03.05.2004) SE

(71) Applicant (for all designated States except US):
DELAVAL HOLDING AB [SE/SE]; Box 39, S-147
21 Tumba (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ÄLVEBY, Nils
[SE/SE]; Anders Reimers väg 13, S-117 50 Stockholm
(SE).

(74) Agents: HASSELGREN, Joakim et al.; Kransell &
Wennborg AB, Box 27834, S-115 93 Stockholm (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

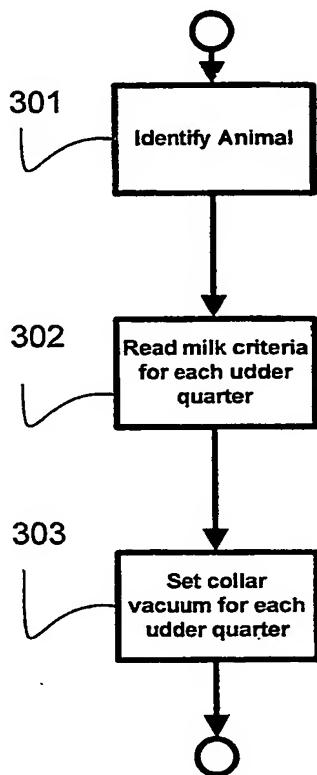
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: CONTROLLED COLLAR VACUUM



(57) Abstract: The present invention relates to a milking machine and a method for milking animal using a milking machine, wherein the milking machine comprises at least a first teat cup, the first teat cup is provided with a teat cup liner to be positioned around a teat of the milking animal, the teat cup liner comprises a lower end connected to a milking vacuum source for drawing milk from the milking animal, and a top end having a space and an orifice in which the teat is to be introduced, the teat cup liner further comprises an inlet to the space connected to a space vacuum source. The method is comprises the step of setting the vacuum level in the space so that the vacuum difference between the vacuum level in the lower end and the vacuum level in the space is related to a milking criteria for the particular udder quarter being milked.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.